

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>ISIS-4718</b>	Serial No. <b>Not Assigned</b>
		Applicant <b>Phillip Dan Cook et al.</b>	
		Filing Date <b>Herewith</b>	Group <b>Not Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>AA</b>	Albert, P.R. et al., "Antisense knockouts: molecular scalpels for the dissection of signal transduction", <i>Trends Pharmacol. Sci.</i> , <b>1994</b> , <i>15</i> , 250-254	
	<b>AB</b>	Berkow et al. (eds.), <i>The Merck Manual of Diagnosis and Therapy</i> , Rahway, N.J., <b>1987</b> , 15th Edition, 2263-2277, 2283-2292, 2301-2310	
	<b>AC</b>	Bernhard et al., "Direct Evidence Linking Expression of Matrix Metalloproteinase 9 (92-kDa gelatinase/collagenase) to the metastatic phenotype in transformed rat embryo cells," <i>Proc. Natl. Acad. Sci. USA</i> , <b>1994</b> , <i>91</i> , 4293-4297	
	<b>AD</b>	Birkedal-Hansen, "Proteolytic Remodeling of Extracellular Matrix," <i>Curr. Op. Cell Biol.</i> , <b>1995</b> , <i>7</i> , 728-735	
	<b>AE</b>	Boggemeyer et al., "Borrelia Burgdorferi Upregulates the Adhesion Molecules E-selectin, P-selectin, ICAM-1 and VCAM-1 on Mouse Endothelioma Cells in vitro," <i>Cell Adhes. Commun.</i> , <b>1994</b> , <i>2</i> , 145-157	
	<b>AF</b>	Cook, P.D., "Medicinal chemistry of antisense oligonucleotides - future opportunities", <i>Anti-Cancer Drug Design</i> , <b>1991</b> , <i>6</i> , 585-607	
	<b>AG</b>	Crooke, S.T. et al., "Pharmacokinetic Properties of Several Novel Oligonucleotide Analogs in mice", <i>J. Pharmacol. Exp. Therapeutics</i> , <b>1996</b> , <i>277</i> , 923-937	
	<b>AH</b>	Crooke, S.T. et al., "Progress in Antisense Oligonucleotide Therapeutic", <i>Ann. Rev. Pharmacol. Toxicol.</i> , <b>1996</b> , <i>36</i> , 107-129	
	<b>AI</b>	Dean, N.M. et al., "Inhibition of protein kinase C- $\alpha$ expression in mice after systemic administration of phosphorothioate antisense oligodeoxynucleotides", <i>Proc. Natl. Acad. Sci.</i> , <b>1994</b> , <i>91</i> , 11762-11766	
	<b>AJ</b>	DeLisser et al., "Molecular and Functional Aspects of PECAM-1/CD31," <i>Immunol. Today</i> , <b>1994</b> , <i>15</i> (10), 490-494	
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	<b>AK</b>	Dimock et al., "An efficient multigram synthesis of monomers for the preparation of novel oligonucleotides containing isosteric non-phosphorous backbones", <i>Nucleosides &amp; Nucleotides</i> , 1997, 16(7-9), 1629-1632	
	<b>AL</b>	Downward, "The ras Superfamily of Small GTP-binding proteins," <i>TIBS</i> , 15, 1990, 469-472	
	<b>AM</b>	Englisch, U. et al., "Chemically Modified Oligonucleotides as Probes and Inhibitors", <i>Angew. Chem. Int. Ed. Eng.</i> , 1991, 30, 613-629	
	<b>AN</b>	Griffiths, C.E.M. et al., "Keratinocyte Intercellular Adhesion Molecule-1 (ICAM-1) Expression Precedes Derman T Lymphocyte Infiltration in Allergic Contact Dermatitis ( <i>Rhus dermatitis</i> )", <i>Am. J. Pathology.</i> , 1989, 135, 1045-1053	
	<b>AO</b>	Gum et al., "Stimulation of 92-kDa Gelatinase B Promoter Activity by ras Is Mitogen-activated Protein Kinase Kinase 1-independent and Requires Multiple Transcription Factor Binding Sites Including Closely Spaced PEA3/ets and AP-1 Sequences," <i>J. Biol. Chem.</i> , 1996, 271(18), 10672-10680	
	<b>AP</b>	Guzaev et al., "Synthesis of <sup>14</sup> C-Radiolabeled Oligonucleotides with a Novel Phosphoramidite Reagent", <i>Bioorg. Med. Chem. Lett.</i> , 1998, 8, 1123-1126	
	<b>AQ</b>	Hakugawa et al., "The Inhibitory Effect of Anti-Adhesion Molecule Antibodies on Eosinophil Infiltration in Cutaneous Late Phase Response in Balb/c Mice Sensitized with Ovalbumin (OVA)," <i>J. Dermatol.</i> , 1997, 24, 73-79	
	<b>AR</b>	Hegemann, L. et al., "Biochemical Pharmacology of Protein Kinase C and its Relevance for Dermatology", <i>Pharmacology of the Skin</i> , Mukhtar, H. (ed.), CRC Press, Boca Raton, 1992, Ch.22, 357-268	
	<b>AS</b>	Himelstein et al., "Metalloproteinases in Tumor Progression: The Contribution of MMP-9," <i>Invasion &amp; Metastasis</i> , 1994-95, 14, 246-258	
	<b>AT</b>	Ho, V.C. et al., "Treatment of severe lichen planus with cyclosporine", <i>J. Am. Acad. Dermatol.</i> , 1990, 22, 64-68	
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	<b>AU</b>	Hua et al., "Inhibition of Matrix Metalloproteinase 9 Expression by a Ribozyme Blocks Metastasis in a Rat Sarcoma Model System," <i>Cancer Res.</i> , <b>1996</b> , <i>56</i> , 5279-5284	
	<b>AV</b>	Hurtenback et al., "Prednisolone Reduces Experimental Arthritis and Inflammatory Tissue Destruction in Scid Mice Infected with <i>Borrelia Burgdorferi</i> ," <i>Int. J. Immunopharmac</i> , <b>1996</b> , <i>18</i> (5), 281-288	
	<b>AW</b>	Iyer, R.P. et al., "The Automated Synthesis of Sulfur-Containing Oligodeoxyribonucleotides Using 3H-1,2-Benzodithiol-3-one 1,1-Dioxide as a Sulfur-Transfer Reagent", <i>J. Org. Chem.</i> , <b>1990</b> , <i>55</i> , 4693-4699	
	<b>AX</b>	Kabanov, A.V., "A new class of antivirals: antisense oligonucleotides combined with a hydrophobic substituent effectively inhibit influenza virus reproduction and synthesis of virus-specific proteins in MDCK cells", <i>FEBS Letts.</i> , <b>1990</b> , <i>259</i> , 327-330	
	<b>AY</b>	Katocs, A.S. et al., "Biological Testing", <i>Remington's Pharmaceutical Sciences</i> , 18th Ed., Gennaro (ed.), Mack Publishing Co., Easton, PA, <b>1990</b> , <i>Ch. 27</i> , 484-494	
	<b>AZ</b>	Kerr et al., "Growth Factors Regulate Transin Gene Expression by c-fos-Dependent and c-fos-Independent Pathways," <i>Science</i> , <b>1988</b> , <i>242</i> , 1424-1427	
	<b>BA</b>	Kerr et al., "TGF- $\beta$ 1 Inhibition of Transin/Stromelysin Gene Expression Is Mediated Through a Fos Binding Sequence," <i>Cell</i> , <b>1990</b> , <i>61</i> , 267-278	
	<b>BB</b>	Kroschwitz, J.I., "Polynucleotides", <i>Concise Encyclopedia of Polymer Science and Engineering</i> , <b>1990</b> , John Wiley & Sons, New York, 858-859	
	<b>BC</b>	Letsinger, R.L. et al., "Cholesteryl-conjugated oligonucleotides: Synthesis, properties and activity as inhibitors of replication of human immunodeficiency virus in cell culture", <i>Proc. Natl. Acad. Sci.</i> , <b>1989</b> , <i>86</i> , 6553-6556	
	<b>BD</b>	Lisby, S. et al., "Intercellular adhesion molecule-1 (ICAM-1) expression correlated to inflammation", <i>Br. J. Dermatol.</i> , <b>1989</b> , <i>120</i> , 479-484	
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	<b>BE</b>	Litwin et al., "Novel Cytokine-independent Induction of Endothelial Adhesion Molecules Regulated by Platelet/Endothelial Cell Adhesion Molecule (CD31)," <i>J. Cell Biol.</i> , <b>1997</b> , 139(1), 219-228	
	<b>BF</b>	Manoharan, M. et al., "Lipidic Nucleic Acids", <i>Tetrahedron Letts.</i> , <b>1995</b> , 36, 3651-3654	
	<b>BG</b>	Manoharan M. et al., "Cholic Acid-Oligonucleotide Conjugates for Antisense Applications", <i>Bioorganic Med. Chem. Letts.</i> , <b>1994</b> , 4, 1053-1060	
	<b>BH</b>	Manoharan, M. et al., "Introduction of a Lipophilic Thioether Tether in the Minor Groove of Nucleic Acids for Antisense Applications", <i>Bioorg. Med. Chem. Letts.</i> , <b>1993</b> , 3, 2765-2770	
	<b>BI</b>	Manoharan, M. et al., "Chemical Modifications to Improve Uptake and Bioavailability of Antisense Oligonucleotides", <i>Annals NY Acad. Sciences</i> , <b>1992</b> , 660, 306-309	
	<b>BJ</b>	Manoharan M. et al., "Oligonucleotide Conjugates: Alteration of the Pharmacokinetic Properties of Antisense Agents", <i>Nucleosides and Nucleotides</i> , <b>1995</b> , 14, 969-973	
	<b>BK</b>	Martin, P., "Ein neuer Zugang zu 2'-O-Alkylribonucleosiden und Eigenschaften deren Oligonucleotide", <i>Helvetica Chemica Acta</i> , <b>1995</b> , 78, 486-504	
	<b>BL</b>	Mishra, R.K. et al., "Improved leishmanicidal effect of phosphorothioate antisense oligonucleotides by LDL-mediated delivery", <i>Biochim. Et Biophysica</i> , <b>1995</b> , 1264, 229-237	
	<b>BM</b>	Newman, "Perspective Series: Cell Adhesion in Vascular Biology," <i>The Biology of PECAM-1, J. Clin. Invest.</i> , <b>1997</b> , 99(1), 3-7	
	<b>BN</b>	Nies, A.S. et al., "Principles of Therapeutics", <i>Goodman &amp; Gilman's The Pharmacological Basis of Therapeutics</i> , 9th Ed., Hardman et al. (eds.), McGraw-Hill, New York, NY, <b>1996</b> , Ch. 3, 43-62	
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	<b>BO</b>	Oberhauser, B. et al., "Effective incorporation of 2'-O-methyl-oligonucleotides into liposomes and enhanced cell association through modification with thiocholesterol", <i>Nucl. Acids Res.</i> , <b>1992</b> , <i>20</i> , 533-538	
	<b>BP</b>	Regezi et al., "Vascular adhesion molecules in oral lichen planus", <i>Oral Surg. Oral Med. Oral Pathol.</i> , <b>1996</b> , <i>81</i> , 682-690	
	<b>BQ</b>	Ruoslahti, "How Cancer Spreads," <i>Sci. Am.</i> , <b>1996</b> , 72-77	
	<b>BR</b>	Saison-Behmoaras, T. et al., "Short modified antisense oligonucleotides directed against Ha-ras point mutation induce selective cleavage of the mRNA and inhibit T24 cells proliferation", <i>EMBO J.</i> , <b>1991</b> , <i>10</i> , 1111-1118	
	<b>BS</b>	Sanghvi et al., "Concept, Discovery and Development of MMI Linkage: Story of a Novel Linkage for Antisense Constructs", <i>Nucleosides &amp; Nucleotides</i> , <b>1997</b> , <i>16</i> (7-9), 907-916	
	<b>BT</b>	Sanghvi, Y.S., "Heterocyclic Base Modifications in Nucleic acids and their Applications in Antisense Oligonucleotides", <i>Antisense Research and Applications</i> , Crooke et al. (Eds.), CRC Press, Boca Raton, <b>1993</b> , <i>Chapter 15</i> , 273-288	
	<b>BU</b>	Secrist, J.A. et al., "Synthesis and Biological Activity of 4'-Thionucleosides", <i>10th International Roundtable: Nucleosides, Nucleotides and their Biological Applications</i> , <b>Sept. 16-20 1992</b> , <i>Abstract 21</i> , Park City, Utah, 40	
	<b>BV</b>	Shea, R.G. et al., "Synthesis, hybridization properties and antiviral activity of lipid-oligodeoxynucleotide conjugates", <i>Nucl. Acids Res.</i> , <b>1990</b> , <i>18</i> , 3777-3783	
	<b>BW</b>	Shiohara et al., "Fixed drug Eruption: Expression of Epidermal Keratinocyte Intercellular Adhesion Molecule-1 (ICAM-1)", <i>Arch. Dermatol.</i> , <b>1989</b> , <i>125</i> , 1371-1376	
	<b>BX</b>	Stetler-Stevenson et al., "Tumor Cell Interactions with the Extracellular Matrix During Invasion and Metastasis," <i>Annu. Rev. Cell Biol.</i> , Palade, G.E. et al. (eds.), <b>1993</b> , <i>9</i> , 541-573	
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	<b>BY</b>	Svinarchuk, F.P. et al., "Inhibition of HIV proliferation in MT-4 cells by antisense oligonucleotide conjugated to lipophilic groups", <i>Biochimie</i> , <b>1993</b> , 79, 49-54	
	<b>BZ</b>	Swayze et al., "The Synthesis of <i>N,N'</i> - <i>O</i> -Trisubstituted Hydroxylamines via a Mild Reductive Alkylation Procedure: An Improved Synthesis of the MMI Backbone", <i>Synlett</i> , <b>1997</b> , 859-861	
	<b>CA</b>	Swayze et al., "The Synthesis of the Sixteen Possible 2'- <i>O</i> -Methyl MMI Dimer Phosphoramidites: Building Blocks for the Synthesis of Novel Antisense Oligonucleotides", <i>Nucleosides &amp; Nucleotides</i> , <b>1997</b> , 16(7-9), 971-972	
	<b>CB</b>	U.S. Congress, Office of Technology Assessment, "The State-of-the-art in Genetic Screening", <i>Genetic Monitoring and Screening in the Workplace</i> , OTA-BA-455, U.S. Government Printing Office, Washington, D.C., <b>1990</b> , Ch. 5, 75-99	
	<b>CC</b>	Wahlestedt, C. et al., "Antisense oligodeoxynucleotides to NMDA-R1 receptor channel protect cortical neurons from excitotoxicity and reduce focal ischaemic infarctions", <i>Nature</i> , <b>1993</b> , 363, 260-263	
	<b>CD</b>	Wahlestedt, C. et al., "Modulation of Anxiety and Neuropeptide Y-Y1 Receptors by Antisense Oligodeoxynucleotides", <i>Science</i> , <b>1993</b> , 259, 528-531	
*	<b>CE</b>	Ausubel, F.M. et al. (Eds.), <i>Current Protocols in Molecular Biology</i> , Current Publications, <b>1993</b>	
*	<b>CF</b>	Sambrook, J. et al. (Eds.), <i>Molecular Cloning, A Laboratory Manual</i> , Second Ed., Cold Spring Harbor Laboratory Press, <b>1989</b>	
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\*A copy of this reference will not be forwarded to the U.S. Patent and Trademark Office since it is believed to be too voluminous and easily obtainable by the Examiner.

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	CG	3,687,808	08/29/72	Merigan et al.	195	28	
	CH	4,689,320	08/25/87	Kaji	514	44	
	CI	4,806,463	02/21/89	Goodchild et al.	435	5	
	CJ	5,004,810	04/02/91	Draper	536	27	
	CK	5,166,195	11/24/92	Ecker	514	44	
	CL	5,194,428	03/16/93	Agrawal et al.	514	44	
	CM	5,212,295	05/18/93	Cook	536	26.7	
	CN	5,242,906	09/07/93	Pagano et al.	514	44	
	CO	5,248,670	09/28/93	Draper et al.	514	44	
	CP	5,442,049	08/15/95	Anderson et al.	536	24.5	
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	CQ	WO 94/08003	04/14/94	PCT	X		
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	<b>CS</b>	5,489,677	02/06/96	Sanghvi et al.	536	22.1	
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	<b>CV</b>	5,523,389	06/04/96	Ecker et al.	536	23.1	
	<b>CW</b>	5,580,767	12/03/96	Cowsert et al.	435	172.3	
	<b>CX</b>	5,582,972	12/10/96	Lima et al.	435	6	
	<b>CY</b>	5,582,986	12/10/96	Monia et al.	435	6	
	<b>CZ</b>	5,587,361	12/24/96	Cook et al.	514	44	
	<b>DA</b>	5,591,600	01/07/97	Ecker	435	69.1	
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	<b>DD</b>	5,599,797	02/04/97	Cook et al.	514	44	
	<b>DE</b>	5,607,923	03/04/97	Cook et al.	514	44	
	<b>DF</b>	5,620,963	04/15/97	Cook et al.	514	44	
	<b>DG</b>	5,658,891	08/19/97	Draper et al.	514	44	
	<b>DH</b>	5,661,134	08/26/97	Cook et al.	514	44	
	<b>DI</b>	5,681,747	10/28/97	Boggs et al.	435	375	
	<b>DJ</b>	5,681,944	10/28/97	Crooke et al.	536	24.5	
	<b>DK</b>	5,691,461	11/25/97	Ecker et al.	536	24.32	
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**	DN	09/009,490	01/20/98	Bennett et al.		
**	DO	09/016,520	01/30/98	Cook et al.		
**	DP	09/044,506	03/19/98	Bennett et al.		
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	DR	5,587,361	12/96	Cook et al.		
	DS	5,489,677	2/96	Sanghvi et al.		

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\*\*Pursuant to 37 C.F.R. 1.98(a)(2)(iii) no copy of a U.S. patent application need be included with an Information Disclosure Statement filed under 37 C.F.R. 1.97.